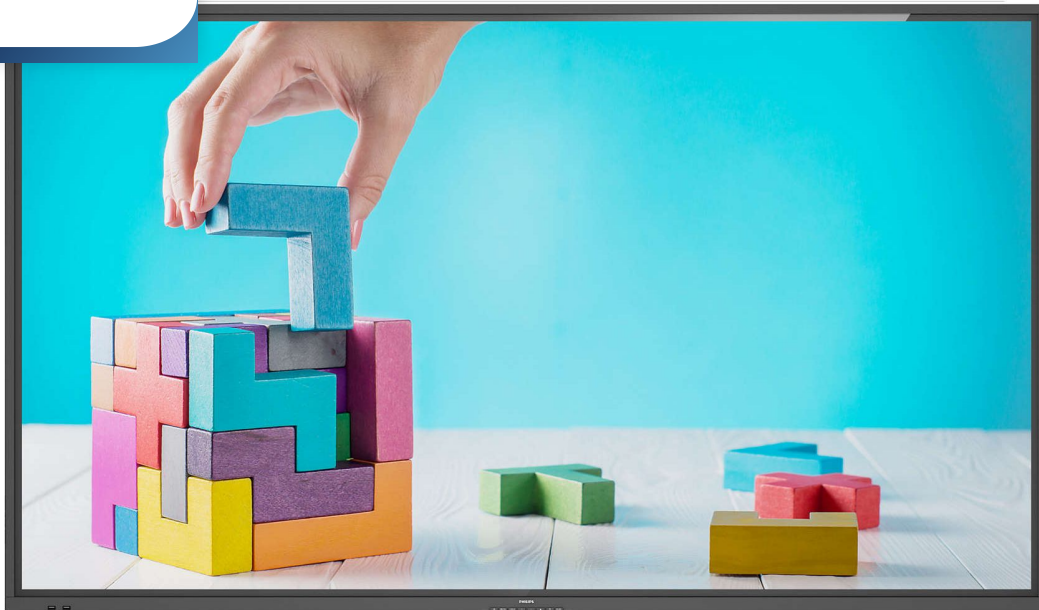


# PHILIPS



E-Line Display

Signage Solutions

86"

Powered by Android

Multi-touch



86BDL3052E

## Interactive education display

Featuring multi-touch technology

The Philips E-Line touch display maximises engagement and inspires collaboration with up to 20 touchpoints. Powered by Android and featuring a toughened anti-glare glass, it's made to withstand heavy daily usage in the classroom.

### Smart and powerful

- OPS slot allows for PC embedding without cabling
- Whiteboard mode built-in
- Android: Run your own app or choose your favorite app to run
- 0-gap touch frame
- Display Surface

### Interactive and collaborative

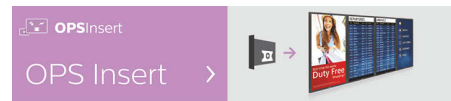
- Operate, monitor and maintain with CMND & Control
- Multi-touch technology capable of 20 touchpoints
- Advanced IR touch with smaller, shallower bezels

# Highlights

## Powered by Android

With Android OS integrated into the display, you can work with the most developed OS on the planet and save your own app directly into the display. Or, choose from the large library of Android apps and play content from there. With the built-in scheduler, you can daypart your apps and content based on your customer and time of day and with the auto orientation feature, showing content in portrait or landscape is as simple as turning the display.

## OPS slot



Integrate a full-power PC or Android-powered CRD50 module directly into your Philips Professional Display. The OPS slot contains all the connections you need to run your slot-in solution, including a power supply.

## CMND & Control



Run your display network over a local (LAN) connection. CMND & Control allows you to perform vital functions like controlling inputs and monitoring display status. Whether you're in charge of one screen or 100.

## Multi-touch technology

Create a memorable interactive experience with up to 20 touchpoints at the same time. Perfect for collaborative and competitive applications, this display connects your audience with any content - making it ideal for education, public venues, corporate, hospitality, and retail settings. The touch panel is HID compliant, providing true plug-and-play operation.

## Whiteboard mode built-in

Inspire agile collaboration with whiteboard mode. Simply activate this feature to turn your display into a blank canvas that can be drawn on by multiple users by hand or with dedicated display markers. Everything on screen can then be captured for easy printing or file sharing.



# Specifications

## Picture/Display

Diagonal screen size (metric): 218.44 cm  
Diagonal screen size (inch): 86 inch  
Aspect ratio: 16:9  
Panel resolution: 3840 x 2160  
Pixel pitch: 0.4935 (H) x 0.4935 (V)[mm]  
Optimum resolution: 3840 x 2160 @ 60 Hz  
Display colors: 1.07 B  
Brightness (after glass): 380 cd/m<sup>2</sup>  
Brightness (before glass): 410 cd/m<sup>2</sup>  
Contrast ratio (typical): 4000:1  
Response time (typical): 8 ms  
Viewing angle (horizontal): 178 degree  
Viewing angle (vertical): 178 degree  
Picture enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Motion compens. deinterlacing, Progressive scan, 3D MA deinterlacing, Dynamic contrast enhancement  
Panel technology: VA  
Operating system: Android 8.0  
OS UI resolution: 1920 x 1080 @ 60 Hz

## Connectivity

Audio output: 3.5 mm Mini Jack (x1)  
Video input: DVI-D (x1), HDMI 2.0 (x3), VGA (Analog D-Sub) (x1), USB 2.0 (x4), USB-C (up to 65W)  
Audio input: 3.5 mm mini jack (x1)  
Other connections: OPS, micro SD, USB-B (x3)  
External control: IR (in/out) 3.5 mm jack, RJ45, RS232C (in/out) 2.5 mm jack

## Convenience

Placement: Landscape (18/7)  
Screen saving functions: Pixel Shift, Low Brightness  
Keyboard control: Lockable  
Remote control signal: Lockable  
Signal loop through: RS232, IR Loopthrough  
Ease of installation: AC Out, Smart Insert  
Other convenience: Carrying handles  
Network controllable: RS232, RJ45

## Sound

Built-in speakers: 2 x 15 W

## Power

Mains power: 100 ~ 240 VAC, 50/60Hz  
Consumption (Typical): 250 W  
Consumption (Max): 507 W

Standby power consumption: <0.5W  
Power Saving Features: Smart Power  
Energy Label Class: G

## Supported Display Resolution

Computer formats: 720 x 400, 70Hz, 832 x 624, 75Hz, 1440 x 900, 60Hz, 1600 x 900, 60Hz, 1680 x 1050, 60Hz, 1920 x 1080, 60Hz, 1024 x 768, 60Hz, 1152 x 870, 75Hz, 1280 x 1024, 60Hz, 1280 x 720, 60Hz, 3840 x 2160, 30, 60Hz, 640 x 480, 60, 67, 75Hz, 800 x 600, 60Hz  
Video formats: 480i, 60Hz, 480p, 60Hz, 720p, 50, 60Hz, 1080i, 50, 60Hz, 1080p, 50, 60Hz, 2160p, 30, 60Hz, 576i, 50Hz, 576p, 50Hz

## Dimensions

Smart Insert mount: 100x100mm, 6xM4L6  
Set Width: 1960.8 mm  
Set Height: 1145.7 mm  
Weight: 74.38 kg  
Set Depth: 101.3mm(D\_Max)/79.0mm(D\_Wallmount) mm  
Set Width (inch): 77.19 inch  
Set Height (inch): 45.11 inch  
Wall Mount: 600 x 400 mm, M8  
Set Depth (inch): 3.98(D\_Max)/3.11(D\_Wallmount) inch  
Bezel width: 17.8mm(T/R/L) x 31.7mm(B)

## Weight

Product with packaging (kg): 90.7 kg  
Product with packaging (lb): 199.96 lb  
Product without stand (kg): 74.38 kg  
Product without stand (lb): 163.98 lb

## Operating conditions

Altitude: 0 ~ 3000 m  
Temperature range (operation): 0 ~ 40 °C  
MTBF: 50,000 hour(s)  
Temperature range (storage): -20~60 °C  
Humidity range (operation)[RH]: 20 ~ 80% (without condensation)  
Humidity range (storage) [RH]: 5 ~ 95% (without condensation)

## Multimedia Applications

USB Playback Video: H.263, H.264, H.265, MPEG1/2, MPEG4, VP9  
USB Playback Picture: BMP, JPEG, PNG  
USB Playback Audio: AAC, MPEG, HEAAC

## Internal Player

CPU: 2 x A53 + 2 x A73  
GPU: ARM Mali G51  
Memory: 3GB DDR3  
Storage: 16GB EMMC

## Accessories

Included Accessories: Cleaning cloth (x1), HDMI Cable (3m) (x1), IR sensor cable (1.8 m) (x1), Philips logo (x1), Quick start guide (x1), Remote control & AAA batteries, RS232 daisy chain cable (x1), Touch Pen (x2), USB A to B cable (3m) (x1), RS232 cable, AC Power Cord, Cable clip (x3), AC switch cover & Screw x1, DVI-D cable, USB cover and screws  
Optional accessories: Interact dongles

## Miscellaneous

On-Screen Display Languages: Arabic, Dutch, Danish, English, French, Finnish, German, Italian, Japanese, Norwegian, Polish, Portuguese, Russian, Spanish, Swedish, Simplified Chinese, Turkish, Traditional Chinese  
Warranty: 5 year warranty  
Regulatory approvals: CE, FCC, Class A, RoHS, CB, EAC, EMF, ETL

## Interactivity

Multi-touch technology: 0-gap Infrared touch  
Touch points: 20 simultaneous touch points  
Plug and play: HID compliant  
Protection glass: Anti-Glare, Tempered safety glass 7MOHS

